



ANGEL'S PUBLIC SCHOOL

HALF YEARLY EXAMINATION

(SAMPLE PAPER)

SESSION 2026 – 27
SUBJECT : MATHEMATICS

TIME : 03 HRS

GRADE – IV

M.M:80

SECTION – A

1. Choose the correct option.

(12x1=12)

(a) A change in the grouping of three numbers to be multiplied does not change the product. This is a/an ____ property.

- (i) Commutative (ii) associative (iii) distributive (iv) multiplicative property of 1

(b) Out of these given fractions $\frac{18}{20}$, $\frac{3}{4}$, $\frac{9}{12}$, $\frac{15}{20}$, the fraction ____ is not equivalent to others.

- (i) $\frac{18}{20}$ (ii) $\frac{3}{4}$ (iii) $\frac{9}{12}$ (iv) $\frac{15}{20}$

(c) Observe the given figure. Which of the following is a diameter of a circle?



- (i) OB (ii) OC (iii) BC (iv) PQ

(d) Every ____ is a rectangle.

- (i) Circle (ii) triangle (iii) square (iv) polygon

(e) Dividend = Divisor x ____ + Remainder.

- (i) Divisor (ii) Remainder (iii) Dividend (iv) Quotient

(f) Sam has some number cards as shown.



He makes some 5-digit numbers. Which is greatest number that can be made using these cards. ____

- (i) 92750 (ii) 70592 (iii) 97520 (iv) 95720

(g) Unlike fractions have different ____.

- (i) denominators (ii) numerators (iii) reciprocal (iv) sum

(h) $5217 \times 100 = \underline{\hspace{2cm}}$.

- (i) 521700 (ii) 521780 (iii) 521710 (iv) 52170

(i) The cost of 1 dozen bananas is ₹48. What is the cost of 8 bananas ? $\underline{\hspace{2cm}}$

- (i) ₹60 (ii) ₹32 (iii) ₹ 56 (iv) ₹40

(j) Eighty lakh three thousand two hundred sixteen in figures is $\underline{\hspace{2cm}}$.

- (i) 800320016 (ii) 18 03 260 (iii) 1803 216 (iv) 80,03,216

(k) **Assertion :** $\frac{7}{8}$ is an improper fraction.

Reason : In an improper fraction, numerator is greater than denominator.

- (i) Both A and R are true and R is the correct explanation of A
(ii) both A and R are true but R is not the correct explanation of A
(iii) A is true but R is false
(iv) A is false but R is true

(l) **Assertion :** Diameter of a circle is twice its radius.

Reason : Diameter is the longest chord of a circle and passes through the center.

- (i) Both A and R are true and R is the correct explanation of A
(ii) Both A and R are true but R is not the correct explanation of A
(iii) A is true but R is false
(iv) A is false but R is true

SECTION – B

2. Fill in the blanks. (Attempt any 10)

(10x2=20)

- (a) If 67171 is divided by 1000 , then Quotient = $\underline{\hspace{2cm}}$ and Remainder = $\underline{\hspace{2cm}}$.
(b) The equivalent fraction of $\frac{4}{9}$ with denominator 36 is $\underline{\hspace{2cm}}$.
(c) Radius of a circle is $\underline{\hspace{2cm}}$ of its diameter.
(d) When a number is multiplied by 0 , the product is $\underline{\hspace{2cm}}$.
(e) The mixed fraction of $5\frac{4}{5}$ is $\underline{\hspace{2cm}}$
(f) The symbols V , L and D are never $\underline{\hspace{2cm}}$.
(g) The smallest and greatest 6-digit numbers using the digits 3 4 8 2. 0 repeating 8 twice, $\underline{\hspace{2cm}}$ and $\underline{\hspace{2cm}}$.
(h) A triangle in which all three sides have different lengths is called a $\underline{\hspace{2cm}}$ Triangle.
(i) $\frac{5}{9} - \frac{4}{9} = \underline{\hspace{2cm}}$
(j) A line segment has $\underline{\hspace{2cm}}$ end points.
(k) Triangle is a $\underline{\hspace{2cm}}$
(l) Face value of a digit in the number is the $\underline{\hspace{2cm}}$

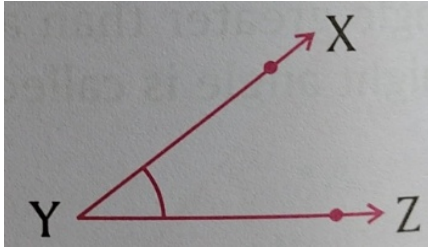
SECTION – C

3. Solve the questions. (Attempt any six)

(6x4=24)

- (a) Reduce the fraction $\frac{22}{121}$ to its lowest term.
(b) Multiply $14 \times 9 \times 3$ in different ways and verify that the product is same in each case.
(c) Check whether $\frac{3}{8}$ and $\frac{16}{24}$ are equivalent fractions or not, using cross multiplication method.

- (d) Find the three equivalent fractions of $\frac{4}{7}$.
- (e) A number divided by 25 gives 171 as quotient and 10 as the remainder. Find the number.
- (f) Find the product of 2547×87 .
- (g) Find the sum of the place values of two 5s in 235257.
- (h) Name the given angle, and write its arms and vertices.



SECTION – D

4. Solve the questions. (Attempt any three)

(6x3=18)

- (a) The monthly fee is ₹2550 per student. How much fees will a student pay in a year?
- (b) 1733, Round off nearest to 10
18997, Round off nearest to 100
99978, Round off nearest to 1000
- (c) Arrange in ascending order:
- (i) $\frac{5}{6}, \frac{5}{9}, \frac{5}{3}, \frac{5}{12}$
- (ii) Arrange in descending order:
 $\frac{6}{7}, \frac{3}{7}, \frac{5}{7}, \frac{1}{7}$
- (d) Divide and check your answer $9289 \div 34$.
- (e) Write **T** for the correct and **F** for the false.
- (i) A polygon with 4 sides is called a pentagon.
- (ii) The adjacent sides of a quadrilateral have a common vertex.
- (iii) A triangle is a polygon.
- (iv) The diagonals of a square are unequal.

5. Case Study

Kabir's Biscuit Packet*

Kabir's mom bought 2 big packets of biscuits for the weekend. There are 48 biscuits in first packet and 39 biscuits in the second packet. On Saturday, Kabir, his sister, and his 2 cousins came to visit Kabir's house. He decided to share all the biscuits from first packet equally among all four of them so that everyone gets the same number.

And on Sunday, Kabir's mom opens the second packet with 39 biscuits. Kabir shares these biscuits equally among the same 4 children, and he shared left out biscuits with his mom.

Questions:

- (a) How many biscuits will each friend get on Saturday? (2)
- (b) How many biscuits will each friend get on Sunday? How many biscuits will be left? (2)
- (c) On which day they will get more biscuits and how many? (2)